

INTERNATIONAL SEARCH REPORT

Intern a 2004/33178

PCT/US04/33178

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 39/00; A01N 43/04; A61K 31/70

US CL : 424/198.1; 514/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 424/198.1 ; 514/44

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST, CAPlus, EMBASE, Medline, BIOSIS, STN

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A --- Y	Diez et al. The role of novel adipocyte-derived hormone adiponectin in human disease. Europ. J. Endocrinology 148: 293-300 (2003), see page 294, column 1, paragraph 2.	1-12 and 17-20 ----- 13-16
A --- Y	Matsuda, et al. Role of Adiponectin in Preventing Vascular Stenosis. J. Biol. Chem. 277(40):37487-91 (2002), see abstract and page 37489 column 1 and Figures 1 and 2	1-12 and 17-20 ----- 13-16
A --- Y	Kubota, et al. Disruption of Adiponectin Causes Insulin Resistance and Neointimal Formation. J. Biol. Chem. 277(29): 25863-66 (2002), see page 25865, Figure 3.	1-12 and 17-20 ----- 13-16
T	Ouchi et al. Adiponectin stimulates angiogenesis by promoting cross-talk between AMP-activated protein kinase and Akt signaling in endothelial cells. J. Bio. Chem. 279(2) 1304-1309 (2004), see page 1308, column 1. Adiponectin promotes vessel growth in vivo, and Figure 5.	1-12 and 17-20

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"I"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

08 November 2005 (08.11.2005)

Date of mailing of the international search report

13 DEC 2005

Name and mailing address of the ISA/US

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Commissioner for Patents

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/33178

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category ¹	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
T	Shibata, et al. Adiponectin stimulates angiogenesis in response to tissue ischemia through stimulation of AMP-activated protein kinase signaling. J. Biol. Chem. 279(27):28670-28674 (2004), see page 28672, column 1, elevated adiponectin levels promote angiogenesis in response to ischemia, and Figure 3.	1-12 and 17-20